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(81) 指定国 (国内): AE, AG, AL, AM, AT, AU, AZ, BA, BB,
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 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
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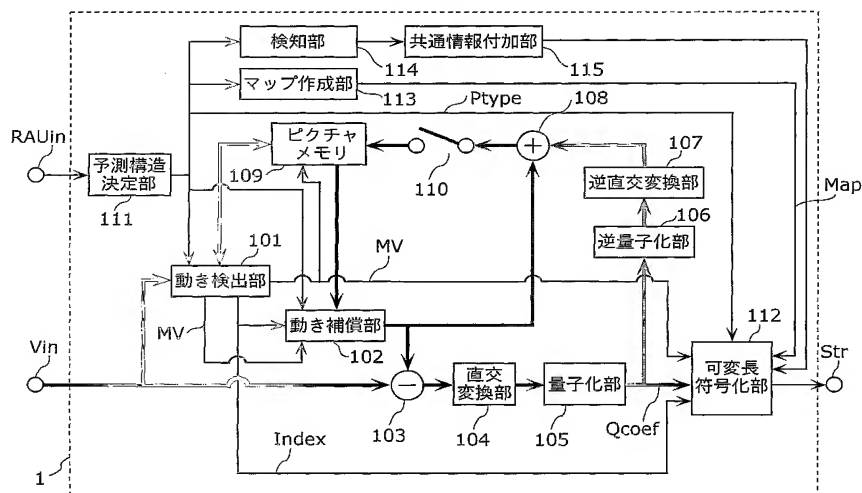
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[続葉有]

(54) Title: MOVING PICTURE ENCODING METHOD AND MOVING PICTURE DECODING METHOD

(54) 発明の名称: 動画像符号化方法および動画像復号化方法



114...DETECTION SECTION

115...COMMON INFORMATION ADDITION SECTION

113...MAP CREATION SECTION

111...PREDICTION STRUCTURE DECISION SECTION

109...PICTURE MEMORY

101...MOTION DETECTION SECTION

102...MOTION COMPENSATION SECTION

107...INVERSE ORTHOGONAL CONVERSION SECTION

106...DE-QUANTIZATION SECTION

104...ORTHOGONAL CONVERSION SECTION

105...QUANTIZATION SECTION

112...VARIABLE LENGTH ENCODING SECTION

(57) Abstract: A moving picture encoding device (1) includes a map creation section (113) for creating an information map for variable speed reproduction which is information required for variable speed reproduction for the picture type Ptype, a variable length encoding section (112) for encoding and arranging the information map for variable speed reproduction on an encoding stream Str, a detection section (114) for detecting necessity of encoding of the picture parameter set PPS referenced by a picture to be encoded, and a common information addition section (115) for adding the picture parameter set PPS whose encoding has been detected to be necessary by the detection section (114) to the picture to be encoded.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/15454

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ H04N7/32, H04N7/08, H04N5/92

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ H04N7/00-7/088, H04N7/24-7/68, H04N7/12, H04N5/76-5/956

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Toroku Jitsuyo Shinan Koho	1994-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 8-186794 A (Sony Corp.), 16 July, 1996 (16.07.96), Par. Nos. [0030], [0039], [0048] to [0057]; table 3; Fig. 2 & EP 720378 B1 & US 5768470 A & CN 1128387 A	1, 2, 7, 10-12, 17, 21-25
X	JP 2000-354224 A (Hitachi, Ltd.), 19 December, 2000 (19.12.00), Par. Nos. [0026] to [0028], [0036] to [0038]; Fig. 5 & JP 8-235833 A & EP 729153 B1 & US 6002834 A & CN 1135072 A & KR 227417 B1	1, 3, 6-11, 13, 16-25

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>
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Date of the actual completion of the international search
14 January, 2004 (14.01.04)

Date of mailing of the international search report
03 February, 2004 (03.02.04)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/15454

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2003-9085 A (Mitsubishi Electric Corp.), 10 January, 2003 (10.01.03), Par. Nos. [0148] to [0157]; Fig. 5 (Family: none)	1, 3-5, 7, 10, 11, 13-15, 17, 20-25
X	WO 95/23411 A1 (Sony Corp.), 31 August, 1995 (31.08.95), Page 3, lines 11 to 17; page 4, lines 11 to 13; page 9, line 9 to page 10, line 2; page 16, lines 15 to 23; page 25, line 6 to page 26, line 17; Figs. 4, 8, 15 to 17 & EP 696798 A1 & US 6075920 A & AU 95-14249 A & BR 95-05850 A & MX 95-04123 A & RU 2158969 C2 & KR 342120 B1	1, 3-5, 7, 10, 11, 13-15, 17, 20-25
A	Kenji SUGIYAMA, "Chikuseki Baitaiyo Dogazo Fugoka Hoshiki no Gijutsu Doko", The Institute of Electronics, Information and Communication Engineers Gijutsu Kenkyu Hokoku, 09 January, 2003 (09.01.03), Vol.102, No.552, pages 1 to 6	1-25

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/15454

Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

The technical feature common to claims 1-25 relates to encoding of information for variable speed reproduction and addition of it to a moving picture encoding stream. However, this technical feature is not novel since it is disclosed in documents JP 8-186794 A (Sony Corp.), JP 2000-354224 A (Hitachi Ltd.), JP 2003-9085 A (Mitsubishi Electric Corp.), and WO 95/23411 A1 (Sony Corp.). As a result, the aforementioned technical feature makes no contribution over the prior art and cannot be a special technical feature within the meaning of PCT Rule 13.2, second sentence.

Accordingly, it is obvious that claims (1, 2, 11, 12, 21-25), (3-6, 13-16), (7-9, 17-19), 10, 20 do not satisfy the requirement of unity of invention.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.